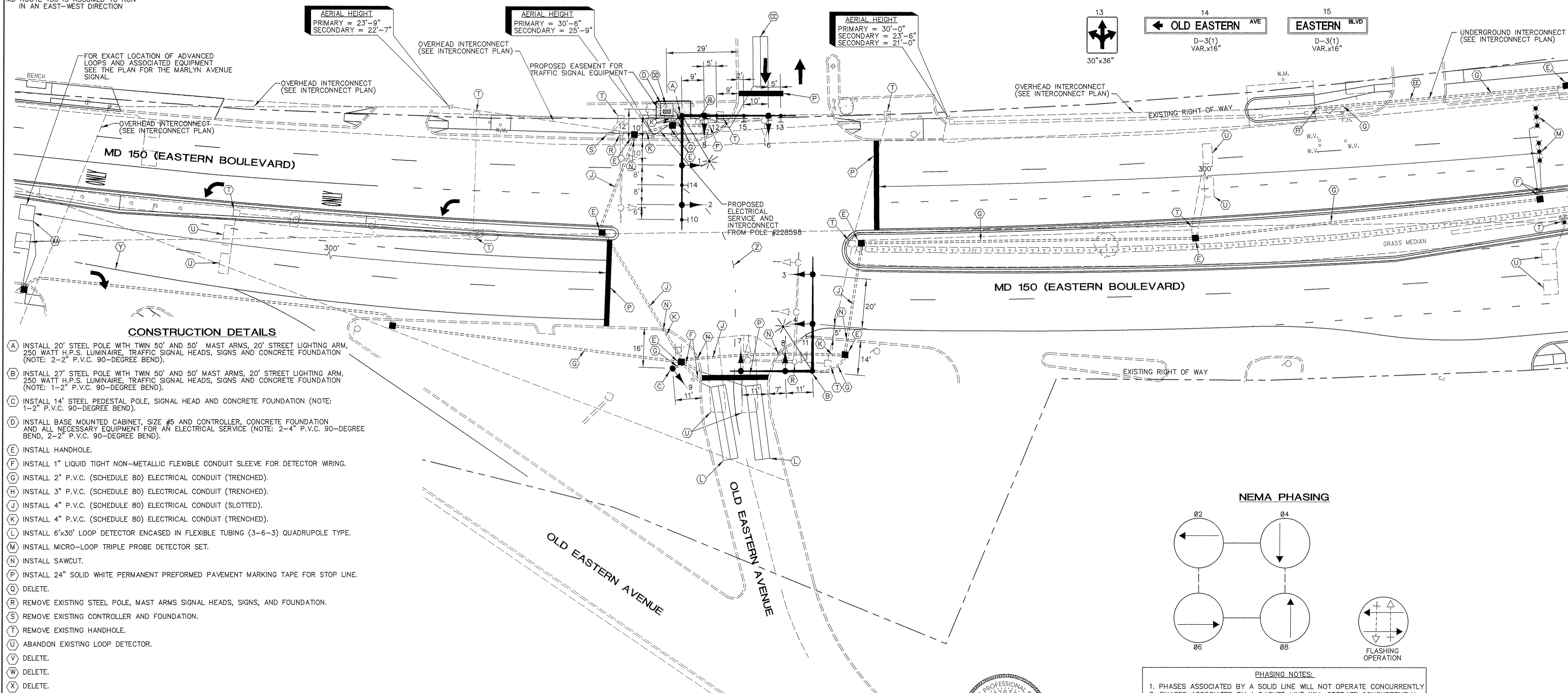


MD ROUTE 150 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION



SIGNALS

1,2,3,4,
5,6,7,8,9
R
Y
G
12"

10
R3-3(2)
30"x30"

11
R3-1
30"x30"

12
ONLY
R3-5(L)
30"x36"

13
30"x36"

14
← OLD EASTERN AVE
D-3(1)
VAR.x16"

15
EASTERN BLVD
D-3(1)
VAR.x16"

CONSTRUCTION DETAILS

- (A) INSTALL 20' STEEL POLE WITH TWIN 50' AND 50' MAST ARMS, 20' STREET LIGHTING ARM, 250 WATT H.P.S. LUMINAIRE, TRAFFIC SIGNAL HEADS, SIGNS AND CONCRETE FOUNDATION (NOTE: 2-2" P.V.C. 90-DEGREE BEND).
- (B) INSTALL 27' STEEL POLE WITH TWIN 50' AND 50' MAST ARMS, 20' STREET LIGHTING ARM, 250 WATT H.P.S. LUMINAIRE, TRAFFIC SIGNAL HEADS, SIGNS AND CONCRETE FOUNDATION (NOTE: 1-2" P.V.C. 90-DEGREE BEND).
- (C) INSTALL 14' STEEL PEDESTAL POLE, SIGNAL HEAD AND CONCRETE FOUNDATION (NOTE: 1-2" P.V.C. 90-DEGREE BEND).
- (D) INSTALL BASE MOUNTED CABINET, SIZE #5 AND CONTROLLER, CONCRETE FOUNDATION AND ALL NECESSARY EQUIPMENT FOR AN ELECTRICAL SERVICE (NOTE: 2-4" P.V.C. 90-DEGREE BEND, 2-2" P.V.C. 90-DEGREE BEND).
- (E) INSTALL HANDHOLE.
- (F) INSTALL 1" LIQUID TIGHT NON-METALLIC FLEXIBLE CONDUIT SLEEVE FOR DETECTOR WIRING.
- (G) INSTALL 2" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
- (H) INSTALL 3" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
- (J) INSTALL 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (SLOTTED).
- (K) INSTALL 4" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (TRENCHED).
- (L) INSTALL 6'x30' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3) QUADRUPOLE TYPE.
- (M) INSTALL MICRO-LOOP TRIPLE PROBE DETECTOR SET.
- (N) INSTALL SAWCUT.
- (P) INSTALL 24" SOLID WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE FOR STOP LINE.
- (Q) DELETE.
- (R) REMOVE EXISTING STEEL POLE, MAST ARMS SIGNAL HEADS, SIGNS, AND FOUNDATION.
- (S) REMOVE EXISTING CONTROLLER AND FOUNDATION.
- (T) REMOVE EXISTING HANDHOLE.
- (U) ABANDON EXISTING LOOP DETECTOR.
- (V) DELETE.
- (W) DELETE.
- (X) DELETE.
- (Y) DELETE.
- (Z) DELETE.
- (AA) INSTALL 6'x6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (4 TURNS).
- (CC) INSTALL 6'x20' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3) QUADRUPOLE TYPE.
- (DD) REMOVE EXISTING GROUND MOUNTED SIGN.
- (EE) INSTALL 2" P.V.C. (SCHEDULE 80) ELECTRICAL CONDUIT (SLOTTED).
- (FF) INSTALL 2" P.V.C. WEATHERHEAD, 2" P.V.C. RISER AND 2" P.V.C. 90-DEGREE BEND.

GENERAL NOTES

- "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- PAVEMENT MARKING DETAILED ARE PROPOSED AND ARE TO BE INSTALLED PRIOR BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS ALL OTHER PAVEMENT MARKINGS WILL BE INSTALLED AS PART OF THE HIGHWAY CONTRACT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- AS PART OF THIS ROAD CONSTRUCTION PROJECT SOME OVERHEAD UTILITIES WILL BE RELOCATED BY OTHERS.

UTILITY LEGEND

— G — G — GAS MAIN
— W — W — WATER MAIN
— S — S — SEWER MAIN
— SD — SD — STORM DRAIN
— TV — TV — CABLE TELEVISION
— E — E — ELECTRIC CABLES
— T — T — TELEPHONE CABLES
— A — A — AERIAL CABLES

SIGNS

10
R3-3(2)
30"x30"

11
R3-1
30"x30"

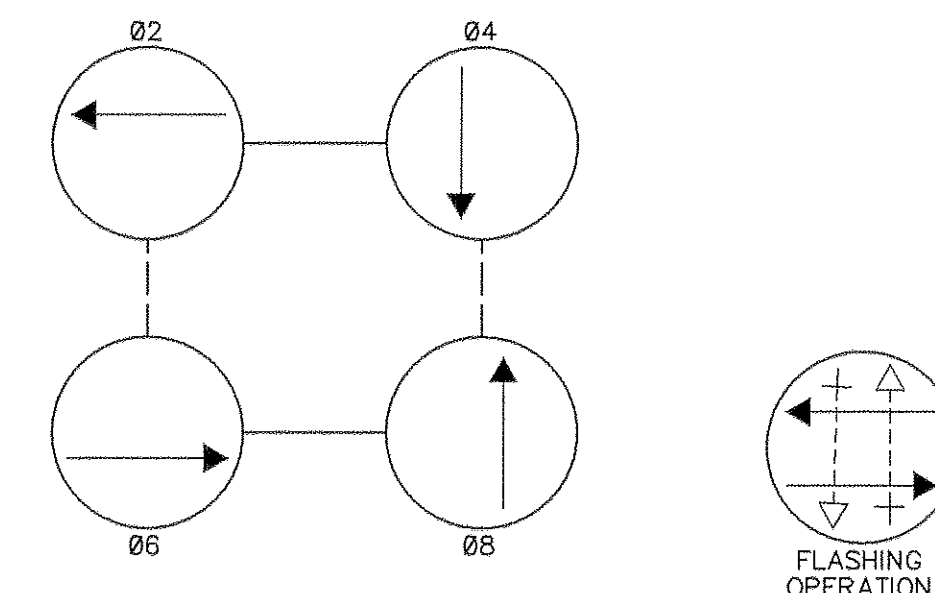
12
ONLY
R3-5(L)
30"x36"

13
30"x36"

14
← OLD EASTERN AVE
D-3(1)
VAR.x16"

15
EASTERN BLVD
D-3(1)
VAR.x16"

NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



REVISIONS	APPROVALS
	CHEF, DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION MD 150 (EASTERN BOULEVARD) AND EASTERN AVENUE			
LOG ML 03015003.93			
DRAWN BY: CKD	F.A.P. NO.	PLAN TS NO.	SHEET NO.
CHECK BY:	S.H.A. NO.	3864B	30 OF 42
SCALE: 1"=20'	COUNTY BALTIMORE		

A/E GROUP, INC.
ENGINEERS • PLANNERS
181 E. Main Street
Westminster, Maryland 21157
A/E Job No. 98-367-002